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Zecotek Releases White Paper on Micro Pixel Avalanche Photo Diode Technology

Singapore, March 22, 2011 - Zecotek Photonics Inc. (TSX-V: ZMS; Frankfurt: W1I), a developer of leading-edge photonics technologies for medical, industrial and scientific markets, today released a White Paper on its patented Multi-pixel Avalanche Photo-Diodes (MAPD) technology. The Company's MAPD solid-state photo detectors are advanced high-performance solid-state photo detectors for the registering of various light intensities within the wavelength range from UV to near infrared. The MAPD is compact and insensitive to high magnetic fields and are designed to replace the earlier photo-detection technologies now used in areas such as high energy physics, astronomy, medical diagnostics, pharmaceutical research, and other areas of industry, security, and defense.

"The Zecotek MAPD solid-state photo detection technology represents a radical new approach to photo detection," said Dr. A.F. Zerrouk, Chairman, President, and CEO of Zecotek Photonics Inc. "Our scientists are recognized for being at the forefront in their field, and we believe that Zecotek's MAPD's represent a breakthrough technology with the potential to transform not only medical imaging, but all areas of photo-detection."

The White Paper makes critical comparisons between the patented Zecotek MAPD technology and competing devices derived from expired patents and older technology. In particular, it demonstrates where MAPDs offers a more robust, sensitive, and cost effective replacement for the photo multiplying tubes in positron emission tomography (P.E.T.) medical imaging than devices based on these earlier patents.

The MAPD also complements a rich portfolio of P.E.T. software and hardware solutions based on the integration of Zecotek's LFS crystals, Integrated Detector Module and MAPD technologies, co-developed with the University of Washington. This package of technologies provides the complete foundation for a new low-cost, high-performance generation of detectors for P.E.T. scanners.

Results from testing the latest generation of MAPD were presented at a symposium hosted by CERN and have attracted widespread interest in both the research community and industry. The White Paper will be made available to the public on the Zecotek website at <http://www.zecotek.com/media/MAPD-WhitePaper-March-2011.pdf>.

- 30 -

About Zecotek

Zecotek Photonics Inc. (TSX-V: ZMS; Frankfurt: W1I), is a photonics technology company developing high-performance crystals, photo detectors, lasers, optical imaging and 3D display technologies for commercial applications in the medical diagnostics and high-tech industries. Founded in 2003, the company operates three distinct divisions: imaging, lasers and 3D display, with labs located in Canada, USA, Singapore and Russia. Zecotek commercializes its novel, patented and patent-pending photonic technologies directly and



through strategic alliances and joint ventures with multinational OEMs, distributors and other industry leaders. For more information, please visit www.zecotek.com.

This press release may contain forward-looking statements that are based on management's expectations, estimates, projections and assumptions. These statements are not guarantees of future performance and involve certain risks and uncertainties, which are difficult to predict. Therefore, actual future results and trends may differ materially from what may have been stated.

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